

WHAT IS CLAIMED IS:

1. An ophthalmologic image pickup system,
comprising:

an image pickup device including;

5 image data generation means for generating image
data of an eye fundus to be examined;

the device information generation means for
generating the device information to identify the
device; and

10 data output means for outputting the image data
and the device information, and

an image processing device including;

data input means for inputting the image data
and the device information outputted from said data
15 output means of the image pickup device;

device information determination means for
determining the image pickup device based on the
device information inputted through the data input
means; and

20 image processing means for performing different
image processings on the image data in accordance
with a determination result of the device information
determination means.

25 2. An ophthalmologic image pickup system
according to claim 1, wherein the image pickup device
information includes information indicating whether

or not at least one of processing for vertically
reversing the image data and processing for
horizontally reversing the image data with the image
processing means should be performed by the image
5 processing apparatus.

3. An ophthalmologic image pickup system
according to claim 1 or 2,
wherein the image pickup device information includes
10 information indicating whether or not the image data
should be synthesized with an electronic aperture
mask by means of the image processing means.

4. An ophthalmologic image pickup system,
15 comprising:
a plurality of image pickup devices, each of
which picks up an image of an eye to be examined to
generate image data thereof;
device information determination means for
20 determining inputted device information related to
the image pickup device;
a processing table showing an image data
processing method corresponding to each of the
plurality of image pickup devices; and
25 image processing means for performing different
image processings on the image data in accordance
with a determination result of the device information

determination means and the processing table.

5 5. An ophthalmologic image pickup system
according to claim 4, wherein the device information
includes a description of a kind of the image pickup
device.

10 6. An ophthalmologic image pickup system
according to claim 4, wherein the processing method
shown in the processing table relates to whether or
not at least one of the processing in which the image
data is horizontally or vertically reversed should be
performed.

15 7. An ophthalmologic image pickup system
according to claim 6, wherein the processing method
shown in the processing table is whether the
composition of an electric aperture mask with the
image data should be performed or not.

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 8. An ophthalmologic image pickup system
according to claim 1 or 4, wherein the device
information generation means is connected with the
image data generation means, and the image data
25 generation means adds the device information
generated by the device information generation means
to the image data and outputs the image data to which

the device information is added to the device information determination means.

9. An ophthalmologic image pickup system
5 according to claim 1 or 4, wherein the image data and the device information are separately inputted to the device information determination means.

10. An ophthalmologic image pickup system,
10 comprising:
an image pickup device including image data generation means for picking up an image of an eye to be examined to generate image data thereof; and
an image processing apparatus including: image
15 pickup information determination means for determining inputted image pickup information; and image processing means for performing different image processings on the image data in accordance with a result of the image pickup information determination
20 means.

11. An ophthalmologic image pickup system
according to claim 10, wherein the image pickup device further comprises image pickup information
25 generation means for generating image pickup information related to an image pickup mode upon image pickup, the image pickup information generation

means is connected with the image data generation means, and the image data generation means adds the image pickup information generated by the image pickup information generation means to the image data
5 and outputs the image data to which the image pickup information is added to the image pickup information determination means.

12. An ophthalmologic image pickup system
10 according to claim 10, wherein the image pickup mode is one of a color image pickup mode, a Fluorescein fundus angiography mode, and an Indocyanine green angiography mode.

15 13. An ophthalmologic image pickup system according to claim 10, wherein the different image processing include at least one of conversion of the image data into a white-and-black image, γ characteristic adjustment thereof, and contrast
20 processing thereof when the image pickup mode is one of the Fluorescein fundus angiography mode and the Indocyanine green angiography mode.

14. An ophthalmologic image pickup system
25 according to claim 10, wherein the image pickup device further comprises image pickup information generation means for generating image pickup

information related to an image pickup mode upon image pickup, and the image data and the image pickup information are separately inputted to the image pickup information determination means.

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15. An ophthalmologic image processing apparatus, comprising:

image processing means for processing image data outputted from an ophthalmologic image pickup device;

10 and

device information determination means for determining device information inputted from the ophthalmologic image pickup device,

wherein the image data is processed in
15 accordance with the determined device information.

16. An ophthalmologic image processing apparatus according to claim 15, wherein at least one of processing for vertically reversing the image data,
20 processing for horizontally reversing the image data, and processing for synthesizing an aperture with the image data is performed in accordance with the device information.

25 17. An ophthalmologic image pickup device, comprising:

image data generation means for picking up an

eye fundus image of an eye to be examined to generate image data thereof;

device information generation means for generating device information of the ophthalmologic
5 image pickup device; and

output means for adding the device information to the image data and outputting the image data to which the device information is added.